

Title (en)

CONNECTING DEVICE BETWEEN A SUBMARINE OPTICAL FIBRE CABLE AND A REPEATER

Publication

EP 0138035 A3 19871111 (FR)

Application

EP 84110597 A 19840906

Priority

FR 8314764 A 19830916

Abstract (en)

[origin: US4632507A] A device for joining an underwater optical fiber cable and a repeater comprising a fiber feed-in cable, the end of said underwater cable being secured in a jointing block by means of a tapered ferrule and hard-setting resin filler, said device comprising a slack chamber for storing surplus lengths of optical fiber, said slack chamber interior being bounded on the underwater-cable-side by a storage canister having a bulged internal wall the radius of curvature whereof is everywhere greater than or equal to the minimum acceptable radius of curvature for the optical fibers, and on the fiber-feed-cable-side by a plug having a conical internal surface. Device is mainly applicable to the joining of undersea telecommunications cables.

IPC 1-7

G02B 6/44

IPC 8 full level

G02B 6/24 (2006.01); **G02B 6/38** (2006.01); **G02B 6/44** (2006.01); **H02G 15/14** (2006.01)

CPC (source: EP US)

G02B 6/4428 (2013.01 - EP US); **G02B 6/4448** (2013.01 - US); **G02B 6/4477** (2013.01 - EP); **G02B 6/44775** (2023.05 - EP)

Citation (search report)

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- [A] GB 2025650 A 19800123 - STANDARD TELEPHONES CABLES LTD
- [A] EP 0066829 A2 19821215 - CABLES DE LYON GEOFFROY DELORE [FR]
- [E] EP 0129184 A2 19841227 - CABLES DE LYON GEOFFROY DELORE [FR]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 82 (P-116)[960], 20 mai 1982; & JP-A-57 019 706 (FUJITSU K.K.) 02-02-1982
- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 183 (P-143)[1061], 18 septembre 1982; & JP-A-57 096 307 (NIPPON DENSHIN DENWA KOSHA) 15-06-1982

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0138035 A2 19850424; **EP 0138035 A3 19871111**; **EP 0138035 B1 19891108**; DE 3480436 D1 19891214; FR 2552238 A2 19850322; FR 2552238 B2 19851025; JP H0588441 B2 19931222; JP S6086509 A 19850516; NO 167239 B 19910708; NO 167239 C 19911016; NO 843640 L 19850318; US 4632507 A 19861230

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